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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

JAN 26 1994

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Willard F. Cummings
UNIROYAL CHEMICAL CO. INC.
74 AMITY ROAD
BETHANY, CT 06524

Subject: Label Amendment Submission of 08/12/93 in Response to PR Notice 93-7
EPA Reg. No. 400-381
XXX COPPER BORDEAUX 22

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable
Printed with SoyCarbate ink on paper that
contains at least 50% recycled fiber

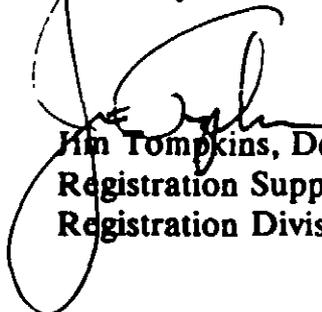
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

Attachment

NUTRA-SPRAY®

COPPER BORDEAUX 22



ACCEPTED
with COMMENTS
in EPA Letter Dated

JAN 26 1994

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
400-381

COMPOSITION

Active Ingredients: (% by weight)	
Copper (expressed as metallic equivalent)	22.0%
Inert Ingredients	78.0%
Total:	100.0%

Copper derived from Copper Sulfate Pentahydrate
NUTRA-SPRAY Copper Bordeaux 22 is a chemically reacted, spray dried
product for general use as a copper fungicide.

LEFFINGWELL®

111 SOUTH BERRY STREET/P.O. BOX 1980, BREA, CA 92821

UNIROYAL CHEMICAL COMPANY, INC., Middlebury, CT 06749
EPA REG. NO. 400-381
EPA EST. NO.

001WPS

NET WEIGHT

KEEP OUT OF REACH OF CHILDREN CAUTION

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Drink promptly a large quantity of milk, egg whites or gelatin solution; if not available, drink large amounts of water. Avoid alcohol. Call a physician immediately.

IF IN EYES: Flush with plenty of water for at least 15 minutes. Call a physician.

IF ON SKIN: Wash with plenty of water for at least 15 minutes. Call a physician if irritation persists.

IF INHALED: and abnormal symptoms develop, see a physician.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

BEST AVAILABLE COPY

Harmful if swallowed. Avoid breathing dust. Avoid contact with skin, eyes or clothing. In case of contact immediately flush eyes or skin with plenty of water. May cause skin sensitization in some individuals. Keep away from domestic animals.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and Other Handlers Must Wear: A long-sleeved shirt & long pants; waterproof gloves; shoes plus socks.

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, or enclosed cabs, in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified by WPS.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic organisms. Do not apply directly to water. Drift and runoff from treated areas may be hazardous to fish and aquatic organisms in adjacent aquatic sites. Do not contaminate water by cleaning of equipment or disposal of wastes.

DIRECTIONS FOR USE

It is violation of Federal Law to use this product in a manner inconsistent with its labeling.

Do not apply this product through any type of irrigation system.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- coveralls
- waterproof gloves
- shoes plus socks

USE RECOMMENDATIONS

CHERRIES - All Varieties - Brown Rot: 1½ to 3 lbs. of Copper Bordeaux 22 per 100 gals. in late fall at time of first rains. Spray skirts of trees from ground up to 3-4 ft. high with up to 6 gals. of spray solution per tree; also spray 2-4 gals. on the trunk and ground under the tree. Apply 10-50 lbs. Copper Bordeaux 22 per acre. Add one of the spreaders listed below or other suitable spreader at recommended dosage in severe brown rot seasons, make second application in Jan.-Feb. or as needed. Note CAUTIONS listed below.

For Young Trees and for Phytophthora Gummosis: Mix Copper Bordeaux 22 in water to the consistency of house paint. Add 1-2 oz. Spreader-Sticker 3-S or other suitable spreader to 1 gal. of mixture. Apply as paint or spray on trunk and crown. For young trees, remove wrapper first. Excise diseased bark from all trees first.

Septoria: Spray the entire tree in late fall using 1-3 lbs. Copper Bordeaux 22 per 100 gals. and one of the spreaders listed below. Apply 400-3000 gals. of dilute spray per acre in thorough coverage. Note CAUTIONS listed below.

Bacterial Blast (Northern California): Spray the entire tree in Oct.-Nov. before the first rain, using 5-10 lbs. Copper Bordeaux 22 per 100 gallons. Apply 400-2800 gals. of dilute spray per acre in complete coverage but do not exceed 140 lbs. of Copper Bordeaux 22 per acre. Do not apply to Mandarins until after fruit has been picked. Note CAUTIONS listed below.

ALMONDS - Brown Rot: Apply at rate of 9-10 lbs. per 100 gals., pink bud and popcorn stages only. Apply 250-800 gals. of dilute spray per acre.

APPLES - Fire Blight: 0.5-1 lb. per 100 gals. at full bloom, petal fall, and late secondary bloom. Apply 250-800 gals. of dilute spray per acre per application.

APRICOTS - Brown Rot: Use 9-10 lbs. per 100 gals., red bud stage through full bloom.

Bacterial Canker: 9-10 lbs. per 100 gals., late Oct.-Nov. Two applications, one at beginning of leaf fall and one at end of leaf fall, are suggested for best results.

Shot Hole Disease: 9-10 lbs. per 100 gals., Nov. 15 - Dec. 15. Apply 250-800 gals. of dilute spray per acre for all applications.

CHERRIES - Bloom Blight: 9-10 lbs. per 100 gals., popcorn to full bloom.

Brown Rot: 7-10 lbs. per 100 gals., popcorn through petal fall.

Bacterial Canker: 2-3 lbs. per 100 gals., at beginning of leaf fall, 4-5 lbs. per 100 gals. at end of leaf fall. Apply 250-800 gals. of dilute spray per acre.

OLIVES - Peacock Spot: Spray entire tree in late Oct.-Nov. at rate of 2-10 lbs. Copper Bordeaux 22 per 100 gals. Use the lower rates to avoid copper injury in areas receiving 10 inches or less normal rainfall. Apply 400-3000 gals. of dilute spray per acre but not to exceed 28 lbs. Copper Bordeaux 22 per acre per application. Fruit should be washed after picking.

PEACHES AND NECTARINES - Leaf Curl, Peach Blight: 7-10 lbs. Copper Bordeaux 22 per 100 gals., Nov. 15-Dec. 15 or as leaves are falling. For Leaf Curl when above spray has been omitted, apply Copper Bordeaux 22 at rate of 7-10 lbs. per 100 gals. in dormant stage.

Brown Rot and Peach Blight: 9-10 lbs. per 100 gals., pink bud stage. Apply 250-800 gals. of dilute spray per acre per application, but do not exceed 72 lbs. Copper Bordeaux 22 per acre.

PEARS - Fire Blight: 0.5 lb. per 100 gals. Start at 10% bloom and repeat at 5 day intervals (3 day intervals if rain occurs) until late bloom is over. Apply 250-700 gals. of dilute spray per acre per application. Do not apply to Anjou or Comice varieties.

WALNUTS - Copper Deficiency: Use 3-10 lbs. per 100 gals. in spring at end of pollination period. Apply 5-50 lbs. Copper Bordeaux 22 per acre depending on severity of deficiency.

Walnut Blight: 2-3 lbs. per 100 gals. Two sprays are recommended the first in early pre-bloom with 1% of flowers showing, and the second when 10% of flowers are showing. An aphicide may be added to this spray. If necessary, in severe areas a third application is suggested in post-bloom period. Apply 400-3000 gals. of dilute spray per acre per application.

CAUTION: In Copper Sensitive and Smog Areas, add 1-3 lbs. of lime and/or 2-5 lbs. of NUTRA-PHOS per 100 gals. as a safening agent.

SPREADERS: Spreaders are recommended. Also ½ to 1% of oil emulsion may be used as a sticker.

COMPATIBILITY: Copper Bordeaux 22 is compatible with most commonly used insecticides, miticides, and foliar nutrients.

CAUTION: Do not use with STABILIZED IRON ®, SORBA-SPRAY® products or other acidifying materials since injury from excessive soluble copper may result.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

STORAGE: Store in a dry location.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Completely empty bag into application equipment. Then dispose of bag in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

IMPORTANT NOTICE—Seller warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions and instructions specified on the label under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product, contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

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